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[54] HOT MELT ADHESIVE FOAM PUMP SYSTEM

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[57]

ABSTRACT

A hot melt adhesive foam pump system having a first stage pump that meters molten hot melt adhesive into a second stage pump, which in turn mixes gas under pressure into the adhesive so that the gas is driven into solution with the adhesive at an adjustably controllable ratio. The pump is insensitive to changes in adhesive viscosity and pump speed, and provides uniformity of foam density and output flow rate when the adhesive is ejected from a dispenser connected to the pump.

20 Claims, 18 Drawing Figures

